Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY		ENGINE	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6 EMD			
			SIZES (L)		PROCEDURE	CLASS T	DDI, TC(2), CAC, ECM, EGR,				
2009	9NVXH0757	9NVXH0757AGA 12.3		Diesel	Diesel	HHDD	OC, PTOX				
I	Y ENGINE'S IDLE ONS CONTROL	5 I ADDITIONAL IDLE EMISSIONS CONTROL									
	ESS	N/A.									
ENGINE	(L)	ENGINE MODELS / CODES (rated power, in hp)									
12.3	(-/	GDT475 / GDT475 (475), GDT430 / GDT430 (430), GDT410 / 410 (410)									
*					+	**-					
L=liter; hp CNG/L L/M/H ECS=e up catalys TB!=thrott super chain control mo ESS=e (per 13 C0	p=horsepower; kw=l. NG=compressed/liq HDD=light/medium/h emission control systit; DPF=diesel particile body fuel injection rger; CAC=charge a dulle; EM=engine mengine shuldown syscr 1956.8(a)(5)(D):	diowatt; his usfied nature when two perms TWC/ ulate filter; sFIMFI in cooler; lodification tem (per 1: Exempt=6	r=hour; oral gas; LPG=liquefie, y-duty diesel; UB=ur. OC=three-way/oxidzi PTOX=periodic trap- sequential/multi port EGR / EGR-C-exhau; 2 (prefix)=parallel; 3 CCR 1956.8(a)(6)(A exempted per 13 CCR.	d petroleum gas; E85=85% e ban bus; HDO=heavy duty Of ng catalyst; NAC=NOx adsor oxidizer; HOZS/DZS=heated/ fuel injection; DGI=direct gas st gas recirculation / cooled EC (2) (sufflx)=in series;	thanol fuel; MF≍mul to; btion catalyst; SCR-l oxygen sensor; HAF bline injection; GCA SR; PAIR/AIR=puise B CCR 1956.8(a)(6)(0 NG fuel systems; N/I	ti fuel a.k.a. BF U / SCR-N=selet S/AFS=heated RB=gaseous ca d/secondary air C); APS =interr A=not applicable	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; \(\) fair-fuel-ratio sensor (a.k.a., universal or linear roburetor; IDI/DDI=indirect/direct diesel injection; SPL=smoke puff limiter; ECM/PCN tal combustion auxiliary power system; ALT=a e (e.g., Ofto engines and vehicles);	NU (prefix) =warm- oxygen sensor); n; TC/SC=turbo/ l=engine/powertrain			

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-dust diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on ponventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	1.20	1.20	1.2	1.2	*	*	*	*	*	*
CERT	0.01	0.000	1.05	0.94	1.1	0.9	0.04	0.01	0.001 -	0.007	*	. *
NTÉ	0.21		1.80		1.8		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

MANNETTE Hebert, Chief
Mobile Source Operations Division

Rophael Sumowitz